

**TOP SECRET**

Approved For Release 2006/01/03 : CIA-RDP33-02415A000800050004-3

25X1

NRO REVIEW COMPLETED

9328-71  
Copy 6 of 12

25X1

19 JUL 1971

MEMORANDUM FOR: Director, CIA Reconnaissance Programs

SUBJECT: Program Progress Report

Forwarded herewith are three copies of the IDEALIST  
Program Progress Report for the period 1 April 1971 -  
30 June 1971.

25X1

Brigadier General, USAF  
Director of Special Activities

Attachments -

As stated (6454-71)

25X1

25X1

Approved For Release 2006/01/03 : CIA-RDP33-02415A000800050004-3

**TOP SECRET**

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

9328-71  
Page 2

25X1

25X1

SAS/O/OSA: [REDACTED] (8 July 1971)

Distribution:

- 1 - D/CRP
- 2 - D/CRP
- 3 - D/CRP
- 4 - DDS&T Reg
- 5 - D/SA
- 6 - SAS/O/OSA
- 7 - D/O/OSA
- 8 - IDEA/O/OSA
- 9 - INTEL/O/OSA
- 10 - D/M/OSA
- 11 - AMS/OSA
- 12 - RB/OSA

25X1

TOP SECRET

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

6454-71  
Section 1

25X1

IDEALIST

DEVELOPMENT SUMMARY AND PROGRESS

(1 April 1971 - 30 June 1971)

I. AIRFRAME

A. Transfer of Aircraft - Two U-2C aircraft, serial numbers [redacted] were delivered to Lockheed facility at Palmdale for use in the NASA Earth Resources Project on 23 April 1971. U-2C, serial number [redacted] was delivered to Palmdale on 30 June 1971 for testing of [redacted]

25X1

25X1

Transfer of these aircraft terminates flying of U-2C aircraft by USA.



C. Light Weight HF Radio - Procurement of the new Light Weight HF Radio has been approved. Contract negotiations to provide this new equipment for the entire fleet have been completed. The new equipment, which provides a reduction of 86 pounds in total weight, will be installed at the base of the vertical stabilizer close to the antenna. Present equipment is located in the E-Bay and requires a long cable run to the antenna.

D. U-2R Flight Test and Operational Training Summary

	<u>1 APR-30 JUN</u> <u>FLTS.</u>	<u>1 APR-30 JUN</u> <u>TIME</u>	<u>TOTAL</u> <u>FLTS.</u>	<u>TOTAL</u> <u>TIME</u>
1 - 051	43	144.7	315	1061.1
2 - 053	44	136.8	290	1079.6
3 - 054	35	105.5	326	1050.4
4 - 055	26	88.0	361	1132.1
5 - 057	--	---	355	1211.4
6 - 058	30	78.6	408	1302.1
TOTAL	178	553.6	2055	6836.7

25X1

TOP SECRET

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

6454-71

25X1

Section 1

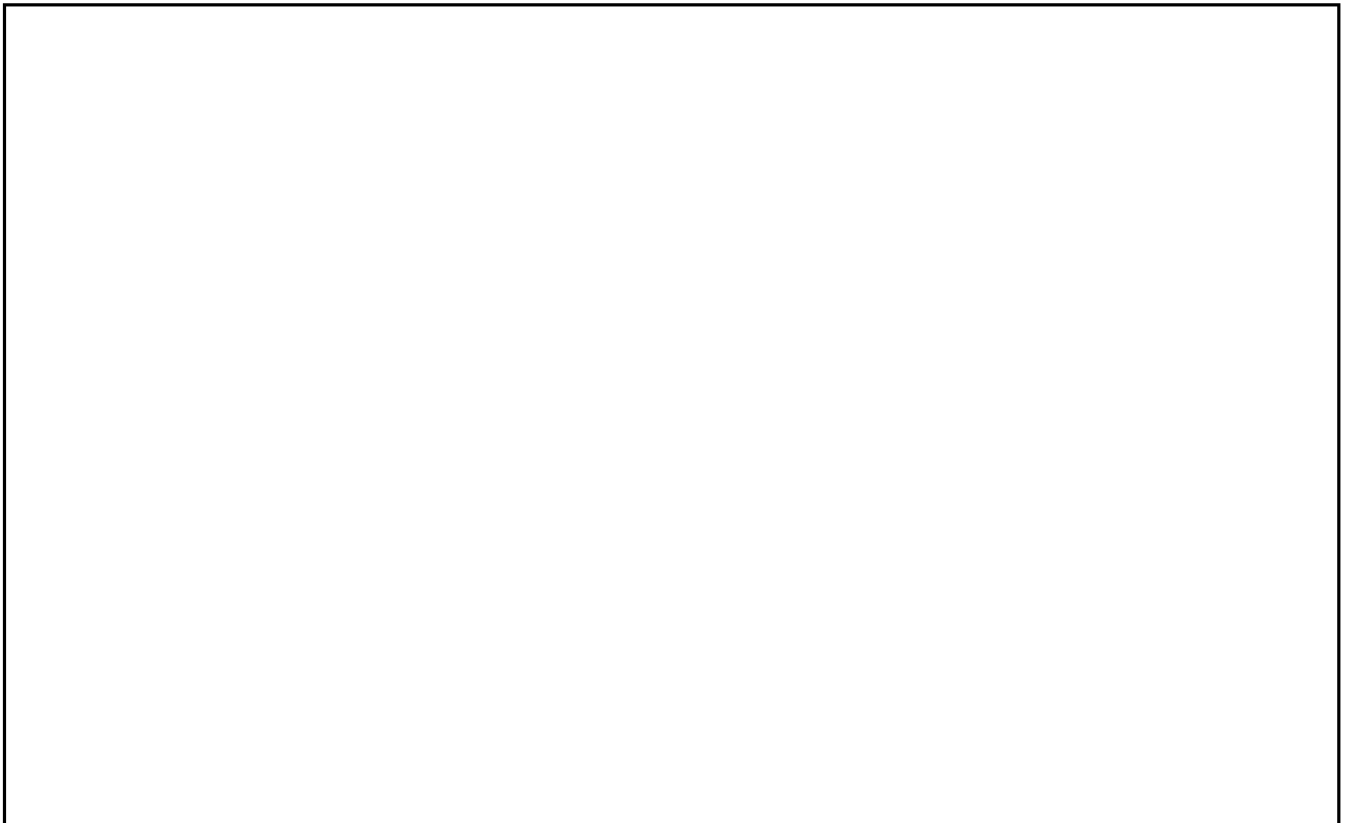
Page 2

## II. PAYLOAD

A. Q-Bay Preconditioning - Performance tests of the prototype Q-Bay Preconditioning Cart were completed 29 June 1971. Delivery of the first of seven production units is expected during July 1971. These carts will provide cooling air for temperature preconditioning of the camera bay and will eliminate up-to two hours of flight time currently required to adequately condition installed photographic systems prior to actual photography.

B. Photographic Sensors - Contract negotiations for acquisition of new lens systems for the B-2 and H cameras have been completed. Delivery of the new lens for the H camera is scheduled for November 1971, and delivery of the new B-2 lens is anticipated during March 1972. These new lenses should reduce color aberration and provide color correction over a wide spectral range which will improve the photographic capability of these camera systems.

25X1



25X1

TOP SECRET

25X1

TOP SECRET

25X1

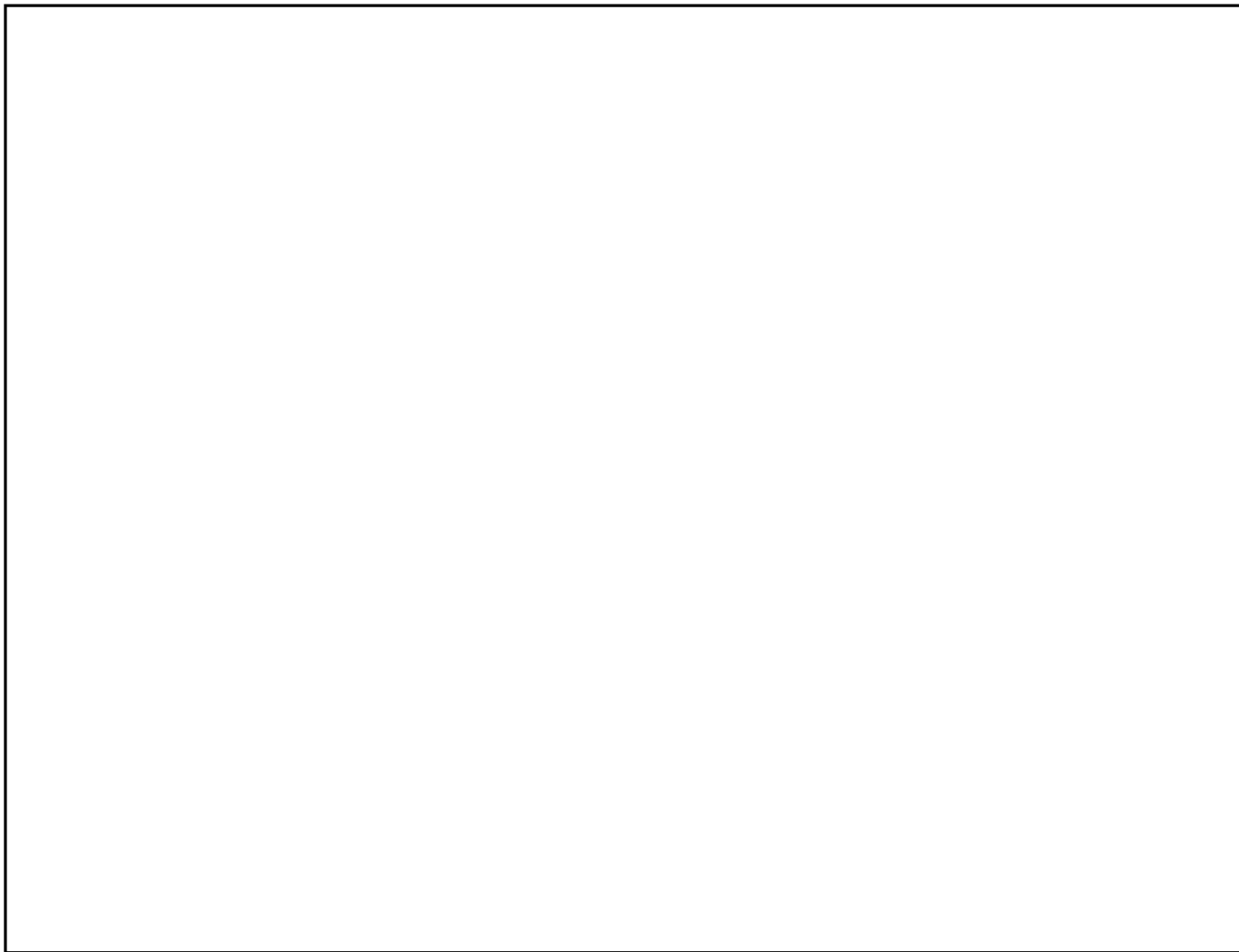
6454-71

25X1

Section 1

Page 3

25X1



#### IV. SUPPLY

A. Property Account Inventory - An inventory of OSA Property Account 2805 was completed during this quarter. In conjunction with this inventory, paper work for transfer of all communication equipment to [redacted] was completed. Subsequent to the inventory all loan accounts from 2805 were verified and new custodian receipts accomplished.

25X1

25X1

TOP SECRET

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

6454-71

25X1

Section 1

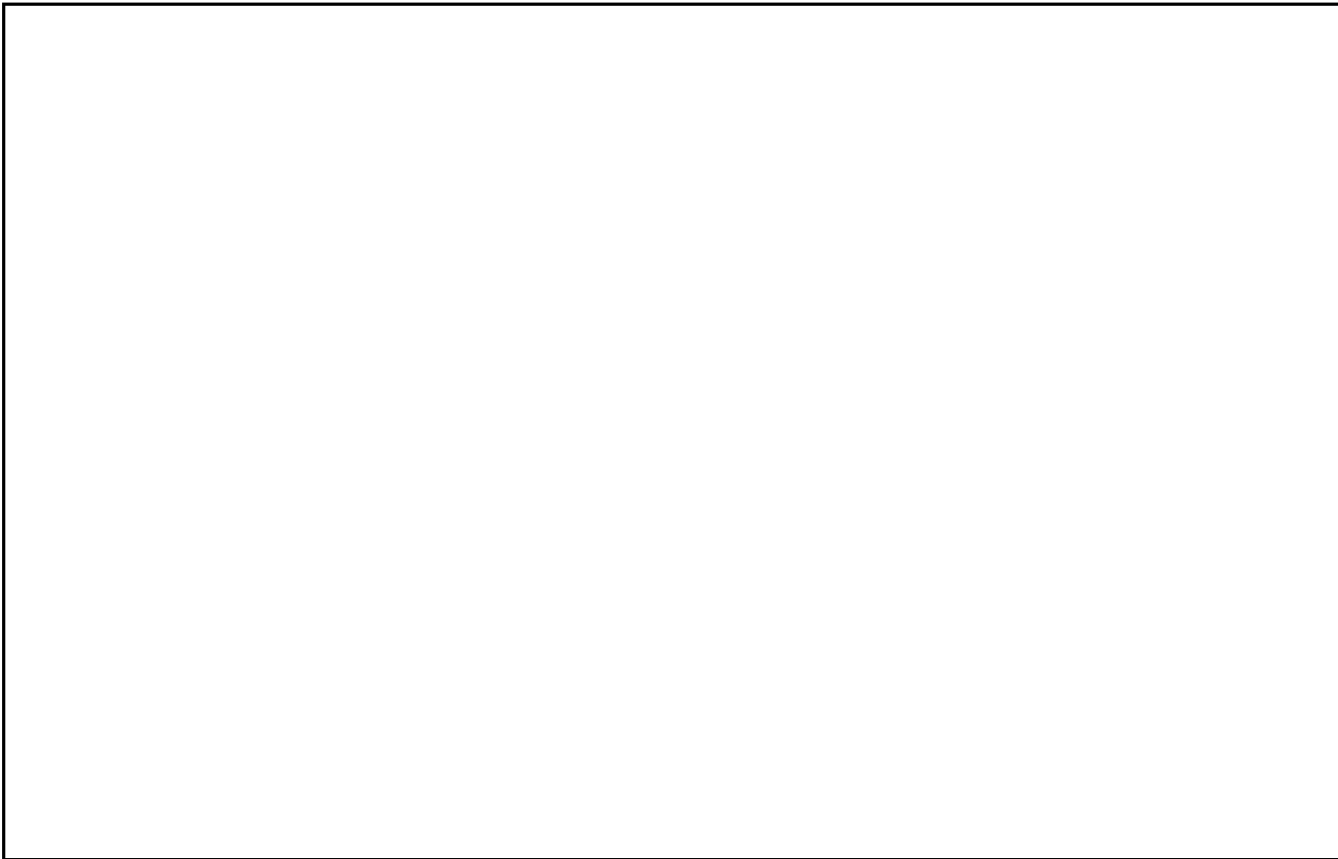
Page 4

B. Vehicle Authorizations - A new OSA TVA which aligns vehicle types and quantities to mission requirements has been approved. This is the first TVA revision and approval since 1966.

V. RESEARCH AND DEVELOPMENT

25X1

A. General R&D



VI. AERO MEDICAL AND LIFE SUPPORT ACTIVITIES

A. Medical

1. [redacted] pilot candidates were evaluated during this period. They were given astronaut type physicals at the School of Aviation Medicine (SAM), San Antonio, Texas, and were then

TOP SECRET

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

6454-71

25X1

Section 1

Page 5

brought to Washington for psychiatric tests and interviews. Two excellent candidates were selected and have begun training.

25X1

25X1

2. [redacted] attended the annual Aerospace Medical Association meeting in Houston, Texas.

25X1

25X1

B. Life Support Equipment

1. Six-Line Release - The test program covering Engineering Change Proposal (ECP) U-2R-61 concerning control of personnel parachutes is now progressing well. The whirl-tower tests at [redacted] California, have been completed, the test parachutists have been fitted with the full-pressure suits, and live jumps from 13,000 feet began during the second week of June 1971.

STAT

2. Tube Food Warmer - Discussions were held [redacted]

25X1

[redacted] in mid-May in reference to the Tube Food Warmer ECP. Apparently the test item failed when the food warmer

25X1

25X1

25X1

TOP SECRET

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

6454-71

25X1

Section 1

Page 6

temperature was elevated to the point of rupturing the tubes. A time delay relay will be installed in the production model set for approximately 140° F and 15 minutes. If successful in tests, this device should be installed in the aircraft.

3. Neck Dams for S1010 Pilot Protective Assembly (PPA) - Neck dams are being fabricated at the [ ] for insertion in one of the pockets of the S1010 PPA. This dam can be placed over the head (when the pressure suit helmet is removed) and attached to the neck ring. With such a dam, the pilot does not need to concern himself with taking on water in the pressure suit if he inadvertently falls out of his one-man raft. Similar dams to be placed on the wrists are also being fabricated at this time.

25X1

4. Rucksack Modification - The rucksack inflation device inside the -2A survival seat kit has been failing the four hour leak check performed as a part of the final functional check after IRAN. A recent ECP has been approved which will alleviate this leaking problem and speed the IRAN turnaround time for seat kits.

5. Partial Pressure Suit Inventory - A recent survey and inventory list of partial pressure suit life support equipment has been forwarded to Warner Robins Depot. This equipment is to be turned over to WRAMA for use in support of the NASA Earth Resources Project.

#### C. Training

1. Parasail, Tropical and Seacoast Survival Training for IDEALIST Pilots [ ] - This training was conducted in two phases. Phase One was parasail conducted at Lake Okeechobee, Florida, and Phase Two was Tropical and Seacoast Survival Training conducted in the Everglades National Park, Florida. The performance of the two students was outstanding in every respect.

25X1

25X1

TOP SECRET

25X1



25X1

[REDACTED] 6454-71  
Section 1  
Page 7

25X1

2. Dilbert Dunker Training - "Dilbert Dunker" training was successfully completed for IDEALIST pilots at MIRAMAR Naval Air Station, San Diego, California, in preparation for [REDACTED] training in August 1971.

25X1

3. Parasail Training - A new parasail launch platform was fabricated and used for parasail pressure suit indoctrination of SR-71 and U-2R pilots [REDACTED] during the last two weeks of June 1971.

25X1

25X1

25X1

25X1

Approved For Release 2006/01/03 : CIA-RDP33-02415A000800050004-3

Next 1 Page(s) In Document Exempt

Approved For Release 2006/01/03 : CIA-RDP33-02415A000800050004-3

TOP SECRET

25X1

6454-71

25X1

Section 2

25X1

Page 3



## II. GENERAL

A. RED DOT - Ten sorties were flown in support of continuing film tests using various camera configurations in the U-2C/G and the U-2R.

25X1

TOP SECRET

GROUP 1: EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1

TOP SECRET

25X1

6454-71  
Section 2  
Page 4

25X1

[REDACTED]

25X1

D. Pilot Training - [REDACTED] flew a total of 19 sorties in the U-2R.

E. Aircraft Transfer - Two U-2C/G aircraft [REDACTED] were transferred to NASA and one U-2C/G [REDACTED] was transferred to Lockheed during this period.

25X1

25X1

[REDACTED]

25X1

G. Hurricane Base Line - One sortie was flown to obtain photography of Gulf Coast areas for the Office of Emergency Preparedness.

[REDACTED]

25X1

III. PILOT AND AIRCRAFT STATUS (AS OF 30 JUNE 1971)

A. Detachment "G" (Edwards AFB - North Base)

Aircraft 3 U-2R

Pilots [REDACTED]

25X1

B. Detachment "H"

Aircraft 2 U-2R

Pilots [REDACTED]

25X1

TOP SECRET

25X1

25X1

Approved For Release 2006/01/03 : CIA-RDP33-02415A000800050004-3

Next 1 Page(s) In Document Exempt

Approved For Release 2006/01/03 : CIA-RDP33-02415A000800050004-3